SBR No. 278/IN-15 D- 30-01-2015

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

1st & FINAL Bill No.....

Date : .....

Division DD

Sub-Division DD

Bill Received No. 889 Dated 31/1/15

Cash Book Voucher No. ..... Dated : .....

Scheduled Doctet No. .....

Head of Account .....

Name of work (as per sanctioned estimate) RESERVE FUND FOR EMERGENCY WORK IN BAGALAGUNTE IN WARD NO.14 (DRILLING OF BORE WELL AT SOAP FACTORY LAYOUT & ROYAL ENCLAVE, PROVIDING PUMP MPTOR & SERVICING)

Name of Contractor and Full Address TECHNICAL MANGER (WEST) KRIDL

Reference to Agreement No. EE/DD/WO/ 112 / 13-14 Date: 30.06.2014

Certified that the measurements were taken by me on 29/9/2015 and recorded in pages 65058/D/65065 of measurements Book No. 1651 and that the work is satisfactorily executed.

Contractor

EXECUTIVE ENGINEER
KRIDL, BBMP, Bangalore

Officer - in - charge of work

Certified that the measurements were checked by me on 30/1/15 and found correct. The work is satisfactorily executed.
Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub - Division Officer

If Memorandum of Payment WORK CODE / JOB CODE : 014-14-000025

		AMOUNT
1.	Total value of work done or supplies made as per account.	
2.	Deduct amount to be held in reserve being ..... percent Rs.	
3.	- do - Balance	
4.	Deduct Payments :	
	a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated ..... S.D. No.	
	Amount adjusted towards cash advance recovery of	
	b) Payments cost store or other materials supplied.	
5.	Balance being unpaid value of work done held in reserve	
6.	Deduct cash advance made on the office Cash Book Vehicle No. ..... dated ..... less adjustments	
7.	Net amount due to or from contractor	
	Unadjusted items	
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.	

Bill Amount - 1459323=00

IT - 29186=00

VAT - 58373=00

FSD - 72966=00

Total -) 178577=00

LWC - 14593=00

CBI - 14589=00

Fine - 2000=00

Net - 1280746=00

Total amount adjusted --

Contractor's Signature

EXECUTIVE ENGINEER
KRIDL, BBMP, Bangalore

Received Rs. ..... (in words)

..... by cash and by adjustment of Payment as per memorandum.

Witnes sre : (In final settlement of all demand)

1.

2.

Stamp

Date

Signature of Contractor

EXECUTIVE ENGINEER
KRIDL, BBMP, Bangalore

Paid by me by cheque No..... Dated .....

Cash Rs. ..... Dated .....

Initials of Officer making payment dated

Audited and admitted (For use in the Office) 1459323=00

Passed by ..... 1280746=00

(.....)

..... 178577=00

Accounts Officer

Engineer

Executive Engineer

	Items of work (grouped under sub-heads the sub works of the estimate)
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand p P.W.S.S. by vertical electrical sounding by adopting gvenner or schiberger's method, including reconnaissance survey of geolog geophysical investigation of existing ground water in the vicinity, its quality and acceptability of the users indicating the licating site, recommended depth of 1.0 mtrs in consolidated formation for proper seating of casting pipe, depth of drilling required to cov acquifer proposed to be tapped, probate yield and other information required including transportation and accessories to work technical personal and labour required etc
2	Sinking borewell of 165mm dia clear using super fast Hydrolic rig of capacity 250 PSIG and above 900 CFM and abaov including over burden upto 20mm fixing of casing pipes collars and cap with necessary, cutting and threadi transportation of rig and supporting vehicles, crew charges and cost of consumbables etclm complete including yield final depth with a minimum work in on compression for an hour (excluding cost of casing pipes collars cap etc.,)
	0.00 to 50 mtrs
	50 to 100 mtrs
	100 mtrs to 150 mtrs
	150mtrs to 200 mtrs
	200.00 to 250.00 mtrs
	250.00 to 300.00 mtrs
	300.00 to 350.00 mtrs
3	Supplying of ISI mark 175 mm nominal bore plain end steel casing pipe grade of steel Fe 410, of wall thickness confirming to IS 4270:2001 and latest emendmetns electric resistance welded steel tube material and confirming to I and manufactured by basic open hearth electric or basic oxyzen process in random length of 4 to 7 mtrs, both en confirming to IS 554/1985, one end fixed with screwed pipes, all pipes shall be reasonably straight should be with welding, weighing 25.10 kg/mtr (inclusive of all taxes and duties) prices include collar medium duty
4	Providing and fixing 250 mm dia PVC pipe and as per specification and directions. Complete as per the specification.
5	Providing 175mm dia MS casing cap
6	M.S casing pipe collare 'C' class complete as per specification.
7	Supply and delivery at site brand new Texmo/Innoval/Lubi/Sabar/Atalanta/calamal/ waterman/radha make suita installation in 150mm dia. Borewells composing of single stage stage or multistage CF pump close coupled by means steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type squirrel cage induction motor suitabled for operation of 3 Ph, 50Hz., 380/440 volts AC supply fitted with required accessories such casing, suction strainers, sand guard. Non return valve etc., complete. The pump and motor shall form an intergral uni required fittings. 15.000 HP 25 stage complete as per specification.
8	Providinga laying & jointing GI pipes confirming to IS specificatiuon of approved make with fitting such as callars bemds nipples plugs with cuyts threads using white lead & threads for joints wherecer necessary as per directiuon including a etc., complete 'A' grade (excluding cost of fittings) b50 mm dia GI pipe complete as per the specification.
9	Providing & fixing heavy duty collar complete as per specification.
10	Supply and drawing 3 core flat sheathed submersible pump cable manufactured with celectrolytic grade copper with flex conductor confirming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and sheathed suitable for worl upto 1100 volts as per 1x3x4 sqm of 56 strands 0.3mm dia Group A

	Unit	Previous Measurement			Present Measurement			Total Up-to-date		Remarks
		Qty	Rate Rs. Ps.	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
p, MWS or l formation, location of ull depth of , engaging	Each				2.00	1900.00	3800.00	2.00	3800.00	
n all strats including ting at the							0.00	0.00	0.00	
	Mtr				100.00	306.00	30600.00	100.00	30600.00	
	Mtr				100.00	400.00	40000.00	100.00	40000.00	
	Mtr				100.00	445.00	44500.00	100.00	44500.00	
	Mtr				100.00	470.00	47000.00	100.00	47000.00	
	Mtr				100.00	544.00	54400.00	100.00	54400.00	
	Mtr				100.00	606.00	60600.00	100.00	60600.00	
	Mtr				40.00	624.00	24960.00	40.00	24960.00	
4mm thick 1387/1993 threaded SI making,	Mtr				100.00	1325.00	132500.00	100.00	132500.00	
	Rmt				50.00	1100.00	55000.00	50.00	55000.00	
	Each				2.00	100.00	200.00	2.00	200.00	
	Each				108.00	150.00	16200.00	108.00	16200.00	
e vertical f stainless bmersible s suction, vith all the	Set				2.00	71265.25	142531.00	2.00	142531.00	
bows tees lead & lift	Rmt				640.00	402.50	257600.00	640.00	257600.00	
	No				114.00	150.00	17100.00	114.00	17100.00	
le copper ng voltage	Mtr				1300.00	159.50	207350.00	1300.00	207350.00	

11	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adarsh / GK controls best indigenous m energy meter cum control panel board unit of sie 1200x600x350 mm minimum mechanically strong vermin and water p shall have two detachable doors suitable for operation on 3ph. 50 Hz, 380/440 volts. AC supply with spring loaded device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided in canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board un operation on 3ph, 50 Hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consists the panel board shall be fabricated on single unit in the above components panel board for suitable pumpset with Sta out door type 10 HP to 20 HP
12	Fabricating supplying and mounting MS box made out 16 SWG suitable for floor/wall mounting, fully weather proof better heat dissipation proveded with hinged front cover equipped with tamper proof locking a arrangements with clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer pa finished with approved colour enamelled metal paint etc., compelte
13	Providing & fixing clamps set and borewell cap to the pump
14	Supplying & delivery of brand new best make non return valve of size 50mm as per IS 778/84 with laterst amendment w
15	Supplying & delivery of brand new best make gate valve of size 50mm as per IS 778/84 with laterst amendment with IS gate valve for distributer pipeline. 50mm dia
16	Providing and fixing 50mm dia GI bend to motor
17	Providing and fixing 50mm dia GI Nipple to motor
18	Providing and fixing 50mm GI union to the motor
19	Lanbour chargtes for end connection
20	Labour charges for erection of new / repaioted submersible pumpset along with GI pipes (32-50mm) cable (new pumpset if requited will be supplied by the deparment free of cost and relesed pump set should be handed over t including transpotation (each length=6.00m)
21	Erection of combined panel board with all necessary materials and labour incluidng providing CC 1:3:6 foundat complete for basement out door type.
22	Supplying and fixing mainature circuite breakers / isolatore in existing MCB distributin boards using necessary fixing wiring complete as required.40 to 63 amps DP
23	Supplying and laying of LT UG cable having aluminium conductor PVC insulated sheathed, galvanished, steel armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm PVC cable.
24	Digging of trenches of 0.6mm x 0.50mtr wide refiling the trench to the required ground level and consolidation etc., cor road surface
25	Supply and fixing of class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of (a) 40mm
26	Supplying fixing and wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board dia, 2.9 thick GI pie 2.5mtr long buied in a pit. The pit should be filled with equal proportion of salt and charcoal 150mm pipe to complete depth. The connection from the pipe to the conuit etc., is to be established thourgh GI wire of siz specification 7.3.3. of ISD 732 using 120mm dia bolts, nuts, washers and chechnus etc., the pipe shall have 16 throu dia.
27	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class for 16 sqmm UG cable filled with necessa insulating compound compelte with terminals clamsp, bolts nuts and washers etc.,
28	Supplying shunt capaciotor's confirming to 165 IS 2834, 3phase 400/440 volts grade for power factor improvemen machinery capacitor in KVAR rating No's
29	Providing and fixing gun metal wheel valve conforming to IS specification of approved make as per directions including all lea complete. for 50mm dia
30	Supplying and fixing polished wood board made up not less than 15mm thick plank with front plank one end provided other end fixing the same of the valve using through bolts and nuts 20"x2"'x2.5" inches

combined . The unit h, locking e the door uitable for complete lta starter	No				2.00	10000.00	20000.00	2.00	20000.00	
ovision for table size nd finally	sqm				44000.00	0.33	14520.00	44000.00	14520.00	
	No				2.00	690.00	1380.00	2.00	1380.00	
ISI mark	No				4.00	1600.00	6400.00	4.00	6400.00	
ark. 50mm	No				4.00	1145.00	4580.00	4.00	4580.00	
	No				4.00	219.00	876.00	4.00	876.00	
	No				4.00	104.30	417.00	4.00	417.00	
	No				4.00	223.70	895.00	4.00	895.00	
	No				2.00	400.00	800.00	2.00	800.00	
bmersible epartment	Per length				108.00	88.00	9504.00	108.00	9504.00	
bed etc.,	No				2.00	475.00	950.00	2.00	950.00	
erials and	No				2.00	880.00	1760.00	2.00	1760.00	
/steel tap	Mtr				60.00	165.00	9900.00	60.00	9900.00	
te cutting	Mtr				60.00	55.00	3300.00	60.00	3300.00	
KV class	Mtr				4.00	286.00	1144.00	4.00	1144.00	
ng 40mm round the s per IISI of 122mm	No				2.00	1650.00	3300.00	2.00	3300.00	
bitumen /	No				2.00	264.00	528.00	2.00	528.00	
of roating	No				2.00	1350.00	2700.00	2.00	2700.00	
nd lift etc.,	No				4.00	1430.00	5720.00	4.00	5720.00	
olding at	No				2.00	302.50	605.00	2.00	605.00	

31	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods co specifications.
32	Providing and installing at site of work 63mm (0.662) P.V.C pipes of 6kg/ cm 2 including cost of pipes and specials and labour in into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour handling charges including encasing the pipe alround to a depth not leass than 15 cms with gravel or selected earth av excavation etc.,
33	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each dep ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification rate considered under item.
34	KPTCL deposit charges
	Total
36	KRIDL CHARGES 10%+ 1%
	Grand Total

CERTIFICATE:

1 Work done is satisfactory
2 There are no departmental issuesmade to the contractor
3 The contractor has cleared all debrice from work spot

in trenches d trenches, ete as per	Cum				108.00	223.66	24155.00	108.00	24155.00	
ding lowering lift charges, ble from the	Mtr				200.00	324.36	64872.00	200.00	64872.00	
ed layer by llow 60% of	Cum				108.00	59.36	6411.00	108.00	6411.00	
	no				2.00	~~14850.00~~	~~29700.00~~	2.00	~~29700.00~~	
							~~1348758.00~~		~~1348758.00~~	
							148363.38		148363.38	
							1497121.38		1497121.38	

Rupees in words .....

Bill Amount - 1304305=00

10% KRIDL Charges - 130430=00

KPTCL charges - 24588=00

Total - 1459323=00

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ಬಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬಾಗಲಗುಂಟೆ, ಬೆಂಗಳೂರು - 560 073